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G. Michael Roebuck Reg. No. 35,662

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****APPLICANT:** Itskovitch et al.**Group Art Unit:** 2862**SERIAL NO:** 10/610,943**Confirmation No.** 2505**FILED:** July 1, 2003**Examiner:** Ledynh, Bot L**TITLE:** "Method and Apparatus for a  
Quadrupole Transmitter for  
Directionally Sensitive  
Induction Tool"**Atty Docket:** 414-28764-USCResponse to Office Action Mailed on December 2, 2004

This paper is a response to the office action mailed on December 2, 2004. The Commissioner is authorized to charge any fees deemed necessary or credit any overpayment related to the filing of this Response to Deposit Account No. 02-0249(414-28764-USC) maintained by Baker Hughes Incorporated. No new matter is added by amendment. Reconsideration of the application as amended is requested.